TOSHIBA 2590T960

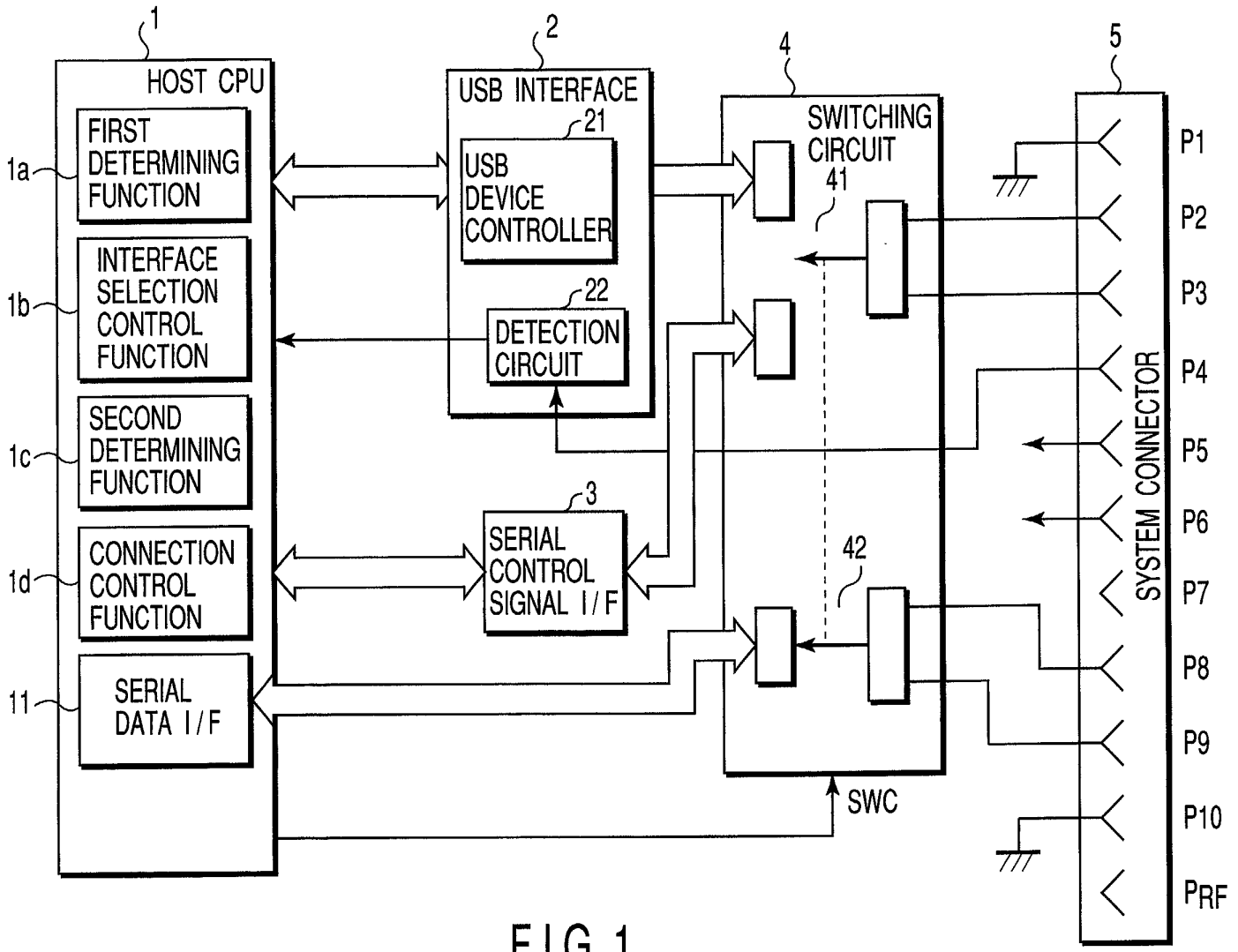


FIG. 1

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ARRANGEMENT OF SYSTEM CONNECTOR PIN

PIN NUMBER	NAME	SIGNAL TRANSMISSION DIRECTION		REMARKS
		MOBILE COMMUNICATION TERMINAL	EXTERNAL DEVICE	
P1	GND(USBGND)	———		CONFORMS TO USB STANDARD 1.1
P2	USB D+	⟺		CONFORMS TO USB STANDARD 1.1
P3	USB D-	⟺		CONFORMS TO USB STANDARD 1.1
P4	USB VBUS	←		CONFORMS TO USB STANDARD 1.1
P5	CHARGING POWER SOURCE INPUT PIN	←		FOR USE IN CHARGING
P6	CHARGING POWER SOURCE INPUT PIN	←		FOR USE IN CHARGING
P7	SYNCHRONIZING CLOCK OUTPUT PIN	→		FOR SYNCHRONIZING CLOCK OUTPUT
P8	MAKER'S OPTION PIN	⟺		FOR MAKER'S OPTION
P9	RESERVATION PIN	NOT CONNECTED		FOR RESERVATION
P10	GND	———		GRAND
P_{RF}	RF TRX	⟺		FOR COAXIAL (EXTERNAL ANTENNA) CONNECTION

FIG. 2

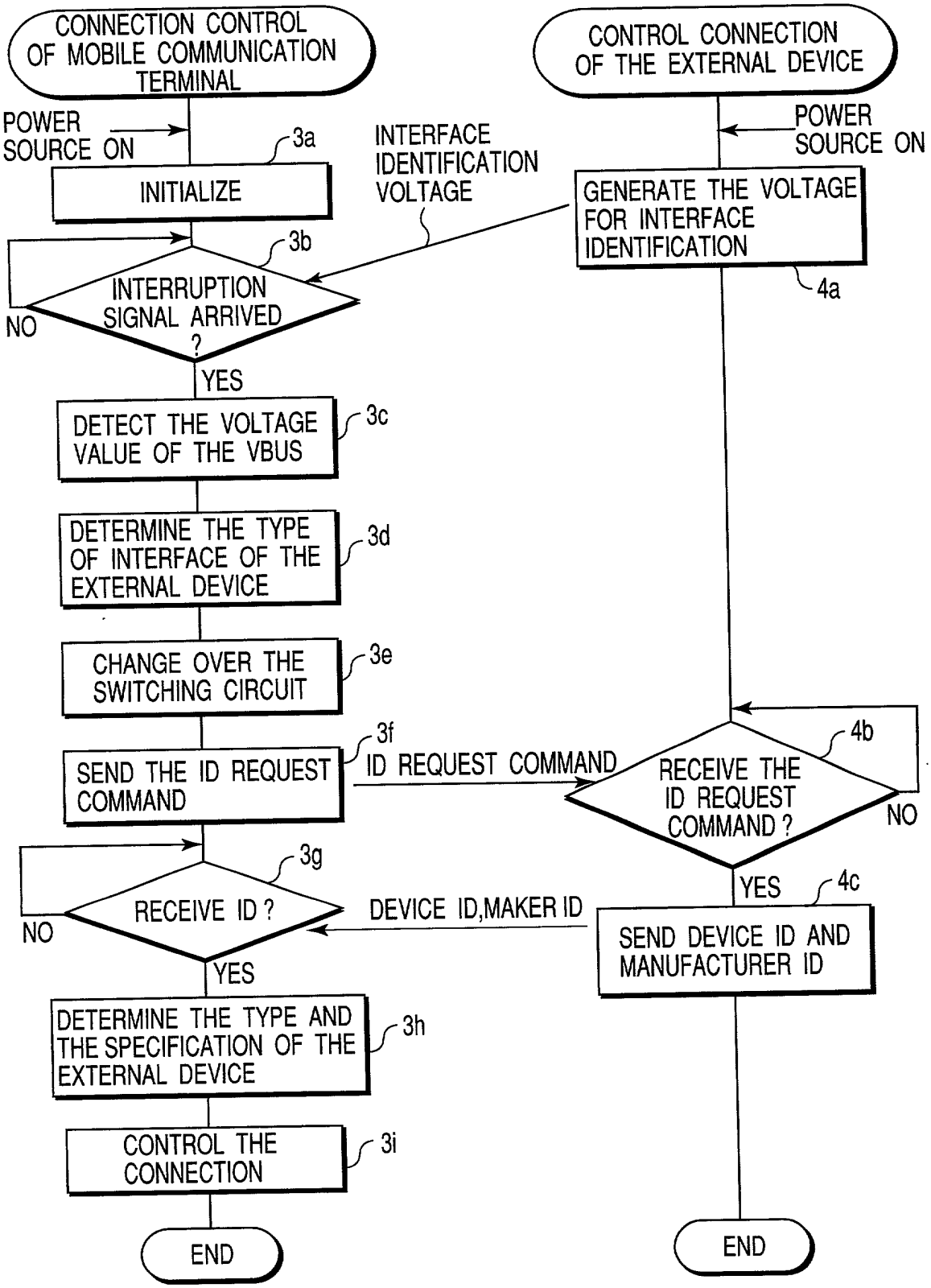

CONNECTION CONTROL OF MOBILE COMMUNICATION TERMINAL
CONTROL CONNECTION OF THE EXTERNAL DEVICE
POWER SOURCE ON
POWER SOURCE ON
3a
INITIALIZE
INTERFACE IDENTIFICATION VOLTAGE
GENERATE THE VOLTAGE FOR INTERFACE IDENTIFICATION
4a
3b
INTERRUPTION SIGNAL ARRIVED ?
NO
YES
DETECT THE VOLTAGE VALUE OF THE VBUS
3c
DETERMINE THE TYPE OF INTERFACE OF THE EXTERNAL DEVICE
3d
CHANGE OVER THE SWITCHING CIRCUIT
3e
SEND THE ID REQUEST COMMAND
3f
ID REQUEST COMMAND
RECEIVE THE ID REQUEST COMMAND ?
4b
NO
YES
4c
RECEIVE ID ?
3g
NO
DEVICE ID,MAKER ID
SEND DEVICE ID AND MANUFACTURER ID
YES
DETERMINE THE TYPE AND THE SPECIFICATION OF THE EXTERNAL DEVICE
3h
CONTROL THE CONNECTION
3i
END
END

FIG. 3

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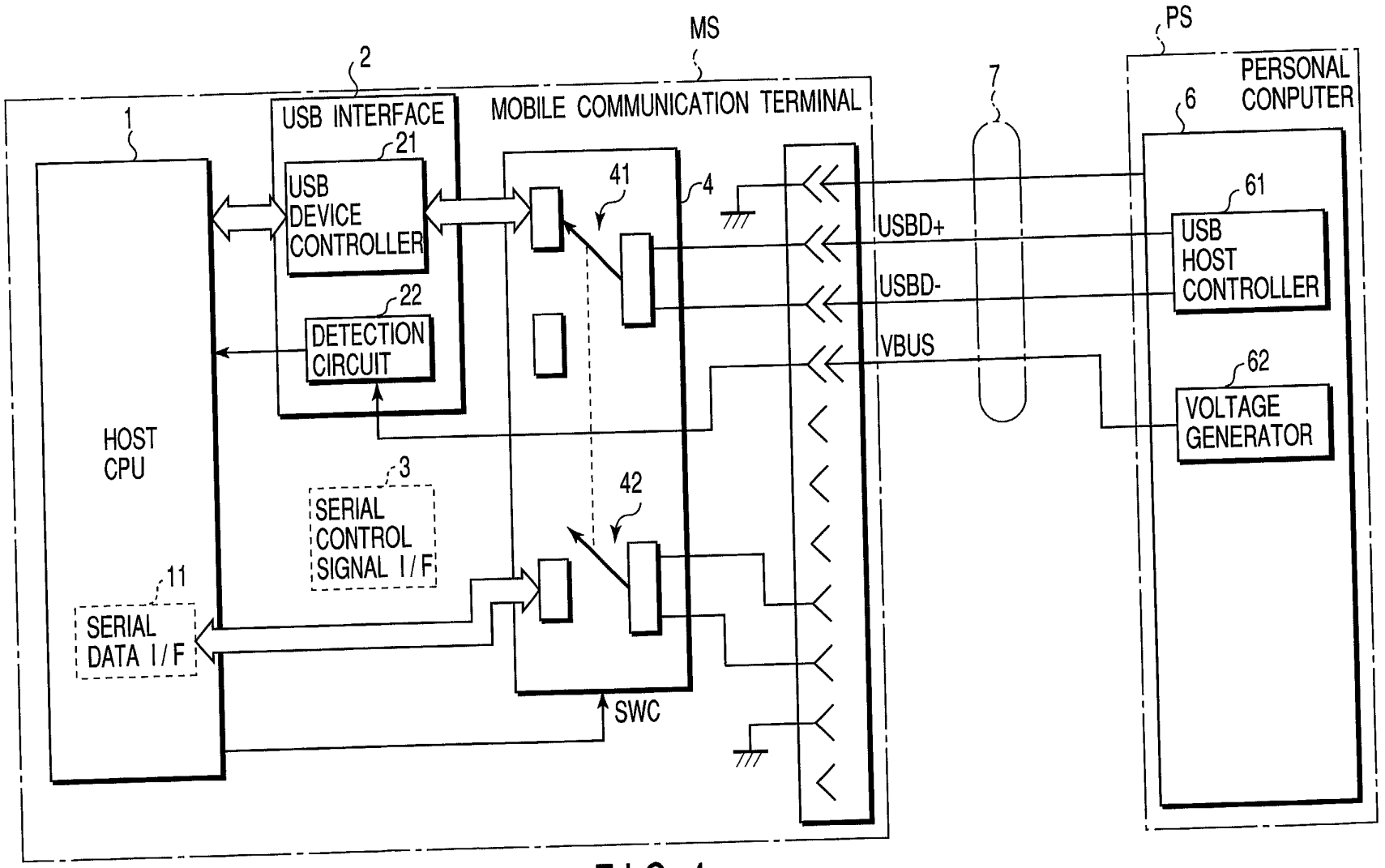


FIG. 4

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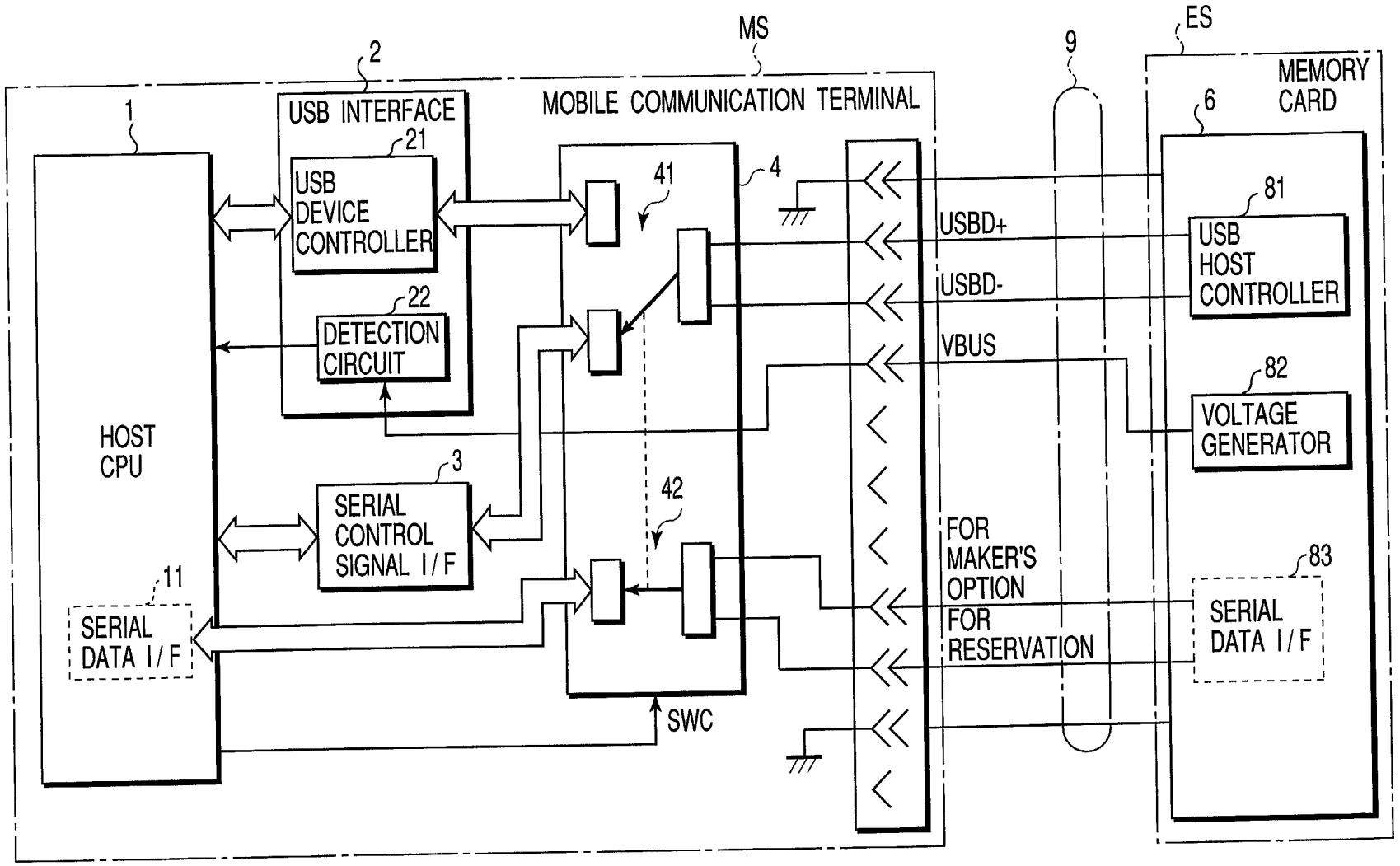


FIG. 5